US00D965531S

(12) **United States Design Patent**
Rudaitis et al.

(10) **Patent No.:** **US D965,531 S**
(45) **Date of Patent:** ** **Oct. 4, 2022**

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(54) **CONNECTOR HOUSING**

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(**) Term: **15 Years**

(21) Appl. No.: **29/810,050**

(22) Filed: **Sep. 30, 2021**

Related U.S. Application Data

(62) Division of application No. 29/656,833, filed on Jul. 17, 2018, now Pat. No. Des. 934,811.

(51) **LOC (13) Cl.** **13-03**

(52) **U.S. Cl.**
USPC **D13/147**

(58) **Field of Classification Search**
USPC D13/110, 112, 118, 123, 146, 147, D13/158–160, 173, 174, 177, 178, 184, D13/199, 133, 149, 153, 154
CPC G05B 19/04; G05B 19/41; G06F 13/20; G08B 5/36; H01R 9/24; H05K 7/00; H05K 7/14; H04L 12/24; H04L 12/40
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D339,324	S	9/1993	Ahn et al.
D400,857	S	11/1998	Meloche
D425,483	S	5/2000	Bechtold et al.
6,077,125	A	6/2000	Emery
D433,998	S	11/2000	Ishitsuka et al.
D439,883	S	4/2001	Miyazoe et al.
D443,248	S	6/2001	Sakasegawa
D443,586	S	6/2001	Sakasegawa
D443,587	S	6/2001	Sakasegawa
D476,622	S	7/2003	Ando et al.
D544,836	S	6/2007	Sichner et al.
D727,267	S	4/2015	Anselment et al.
D729,171	S	5/2015	Dietel

(Continued)

FOREIGN PATENT DOCUMENTS

JP	2021125284	A	*	8/2021

OTHER PUBLICATIONS

Balluff I/O device, downloaded image from Internet on Jul. 17, 2018 From: http://www.directindustry.com/prod/balluff/product-7415-1345339.html.

(Continued)

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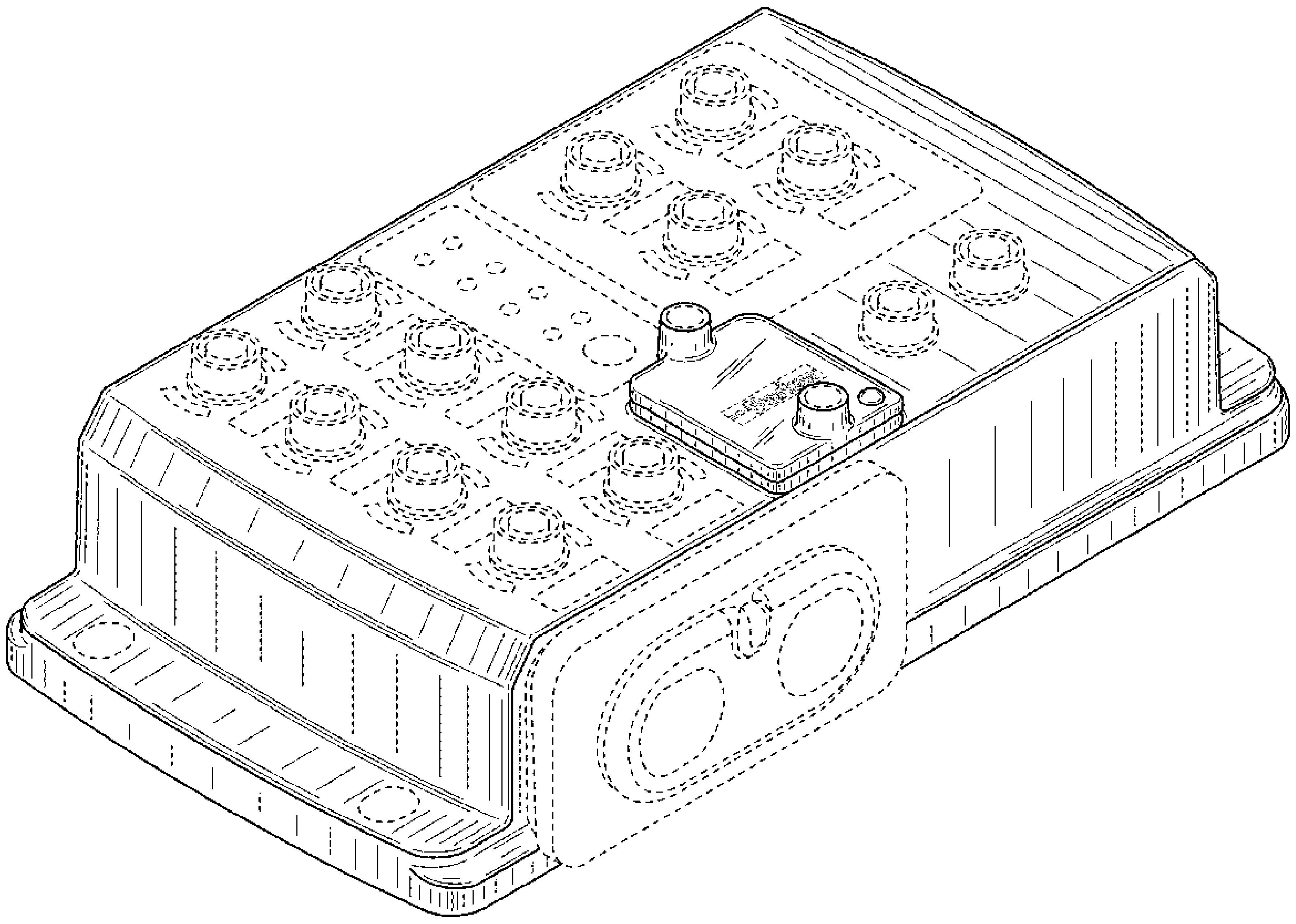
(57) **CLAIM**

The ornamental design for connector housing, as shown and described.

DESCRIPTION

FIG. **1** is a perspective view of an embodiment of a connector housing showing our new design;
FIG. **2** is a top plan side view thereof;
FIG. **3** is a bottom plan view thereof;
FIG. **4** is a front elevational view thereof;
FIG. **5** is a rear elevation view thereof;
FIG. **6** is a left side elevational view thereof; and,
FIG. **7** is a right side elevational view thereof.
The broken lines in the drawings illustrate portions of the article and form no part of the claimed design.

1 Claim, 5 Drawing Sheets



(56) References Cited

U.S. PATENT DOCUMENTS

D731,980	S		6/2015	Dietel	
D736,713	S		8/2015	Sekine et al.	
D737,212	S		8/2015	Andersson et al.	
D747,690	S		1/2016	Andersson et al.	
D763,201	S		8/2016	Burkell et al.	
D825,472	S		8/2018	Yamanaka et al.	
D837,152	S		1/2019	Wegerer et al.	
D918,149	S		5/2021	Adelmann	
D930,594	S	*	9/2021	Kobayashi	D13/147
D934,811	S	*	11/2021	Rudaitis	D13/147
2005/0142956	A1		6/2005	Liang	
2018/0114653	A1		4/2018	Amirthasamy et al.	
2020/0060039	A1		2/2020	De Carolis et al.	
2020/0264593	A1		8/2020	Rudaitis	
2020/0364166	A1	*	11/2020	Rudaitis	G08B 5/36
2020/0393805	A1		12/2020	Rudaitas et al.	

OTHER PUBLICATIONS

Turck IO device, downloaded image from Internet on Jul. 17, 2018 From: http://pdb2.turck.de/us/en/groups/000000370001ace200010023.

* cited by examiner

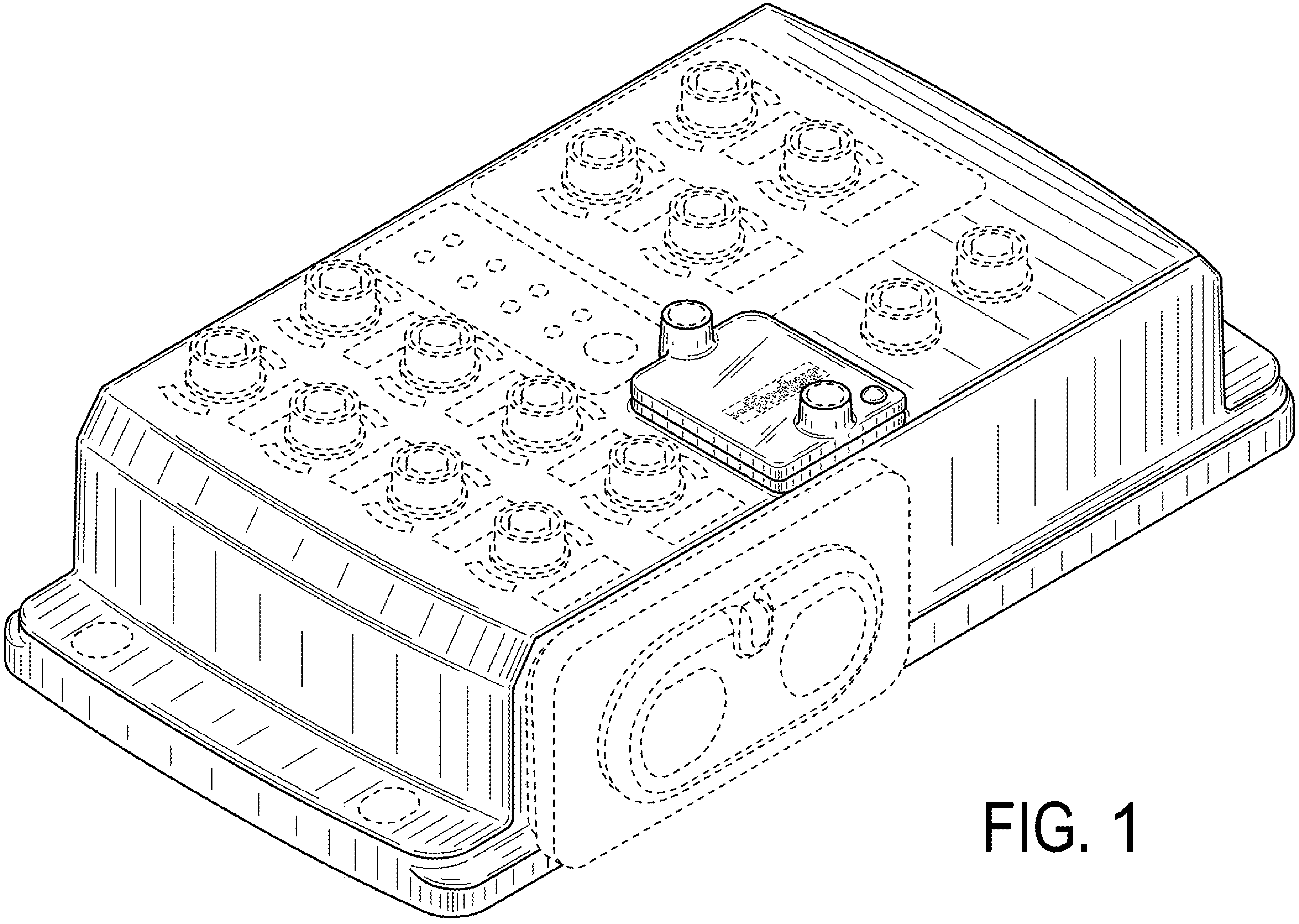


FIG. 1

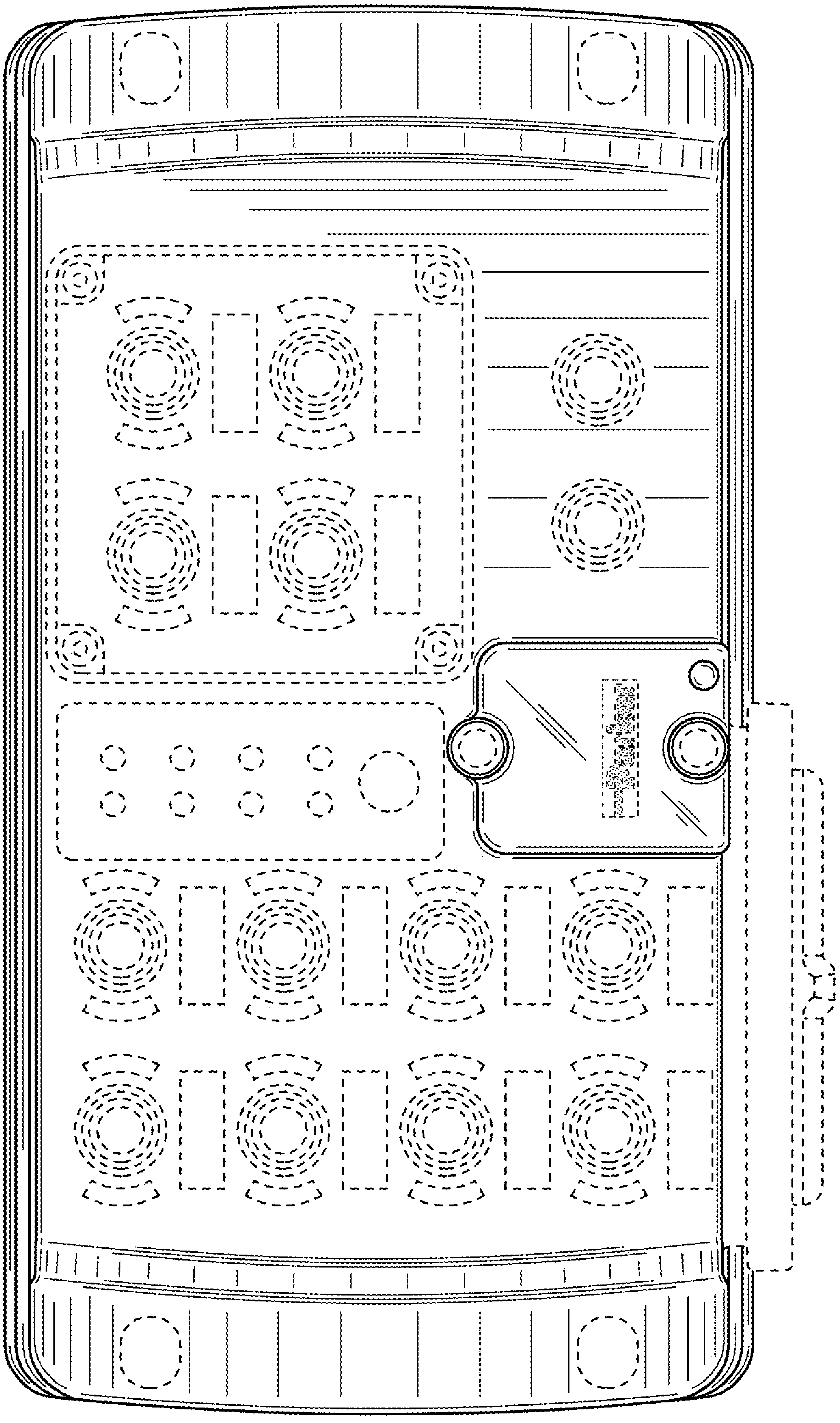


FIG. 2

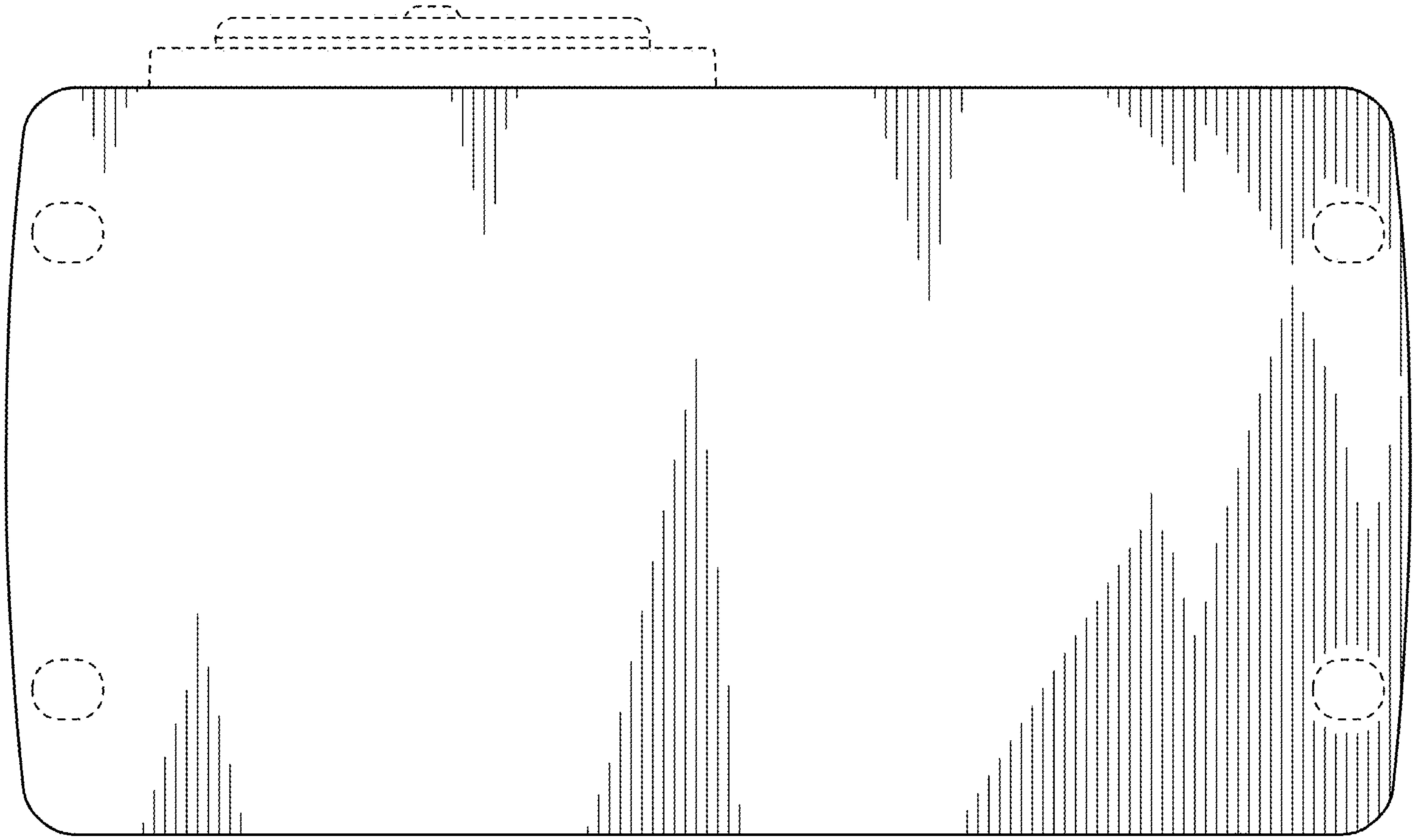


FIG. 3

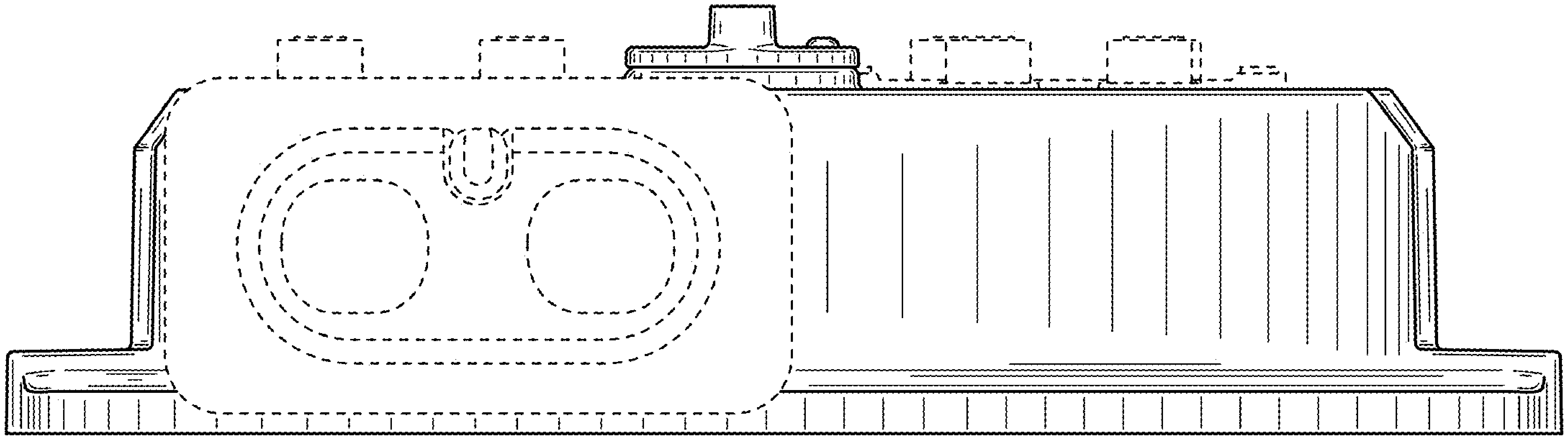


FIG. 4

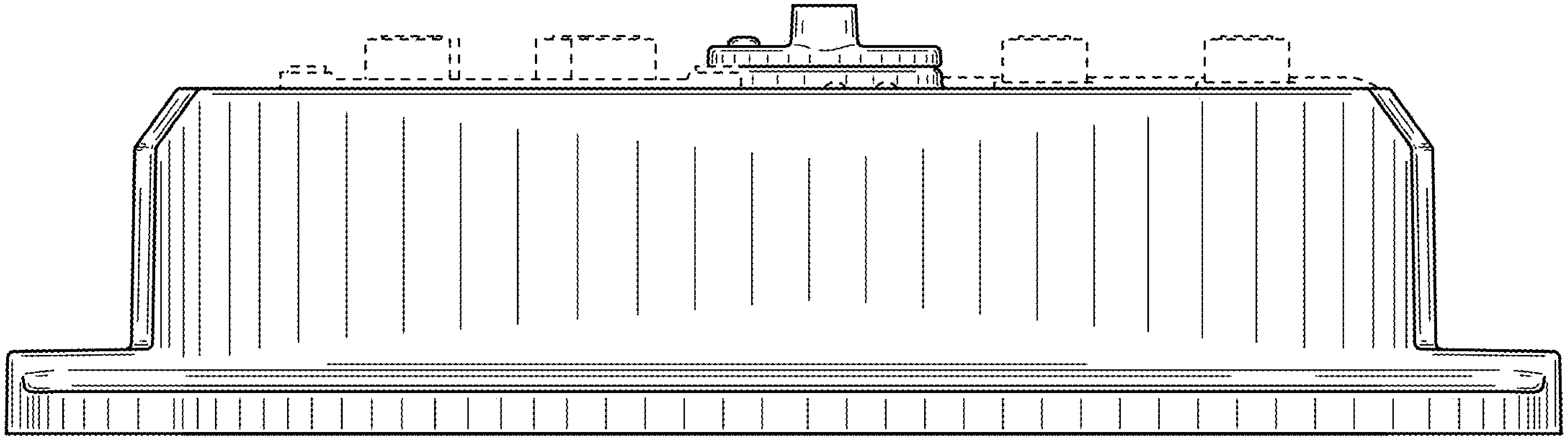


FIG. 5

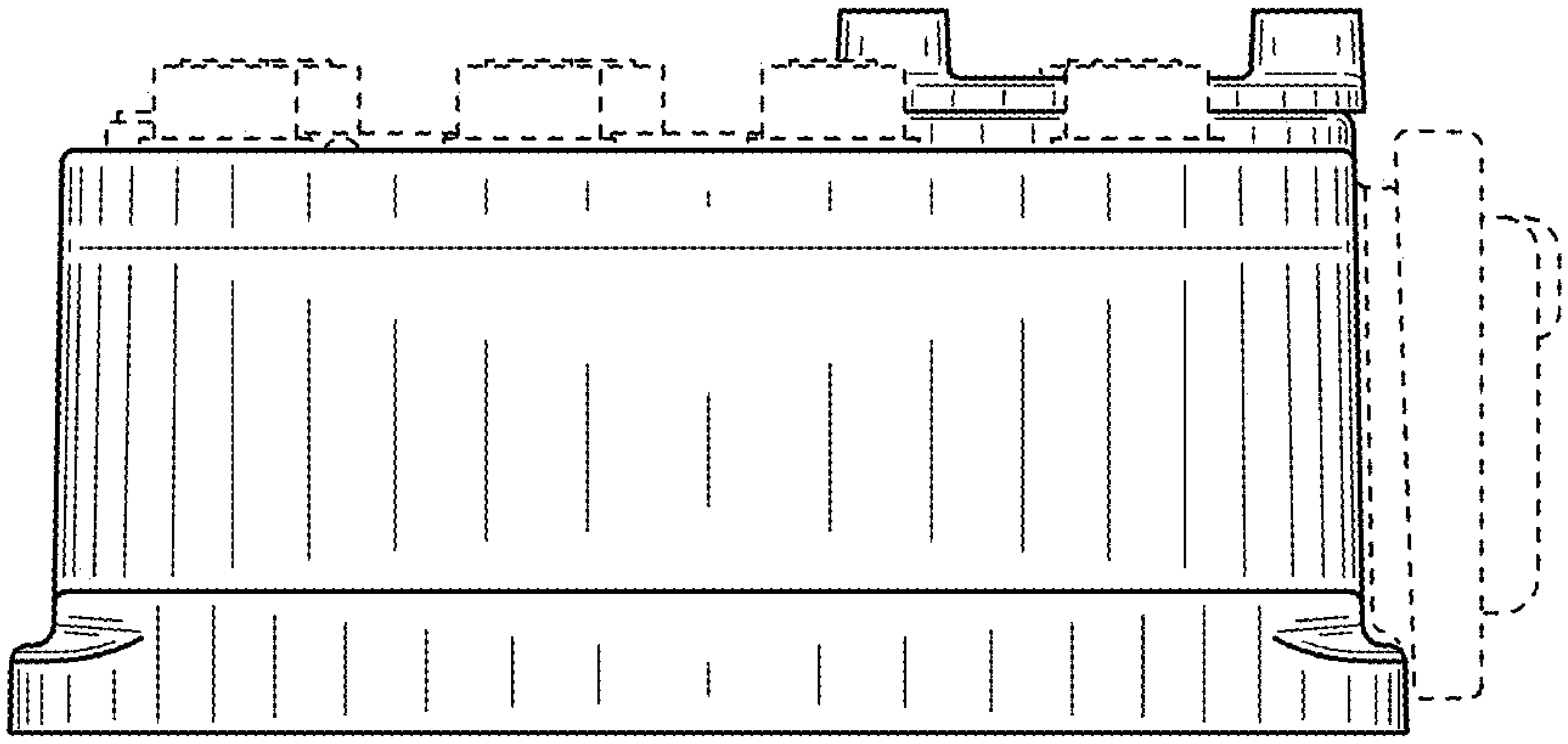


FIG. 6

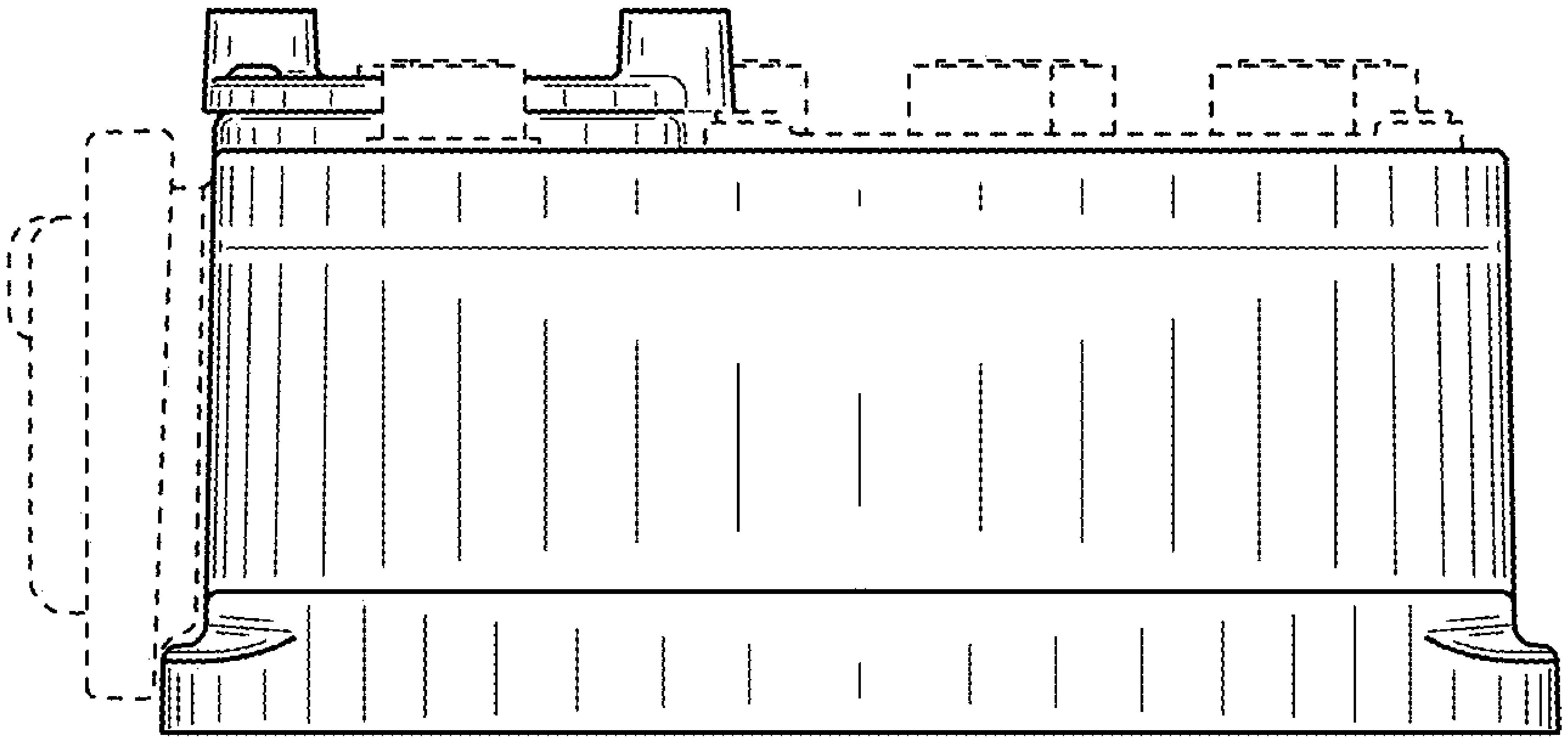


FIG. 7